



US 20210188051A1

(19) **United States**(12) **Patent Application Publication**  
**MACNEILLE et al.**(10) **Pub. No.: US 2021/0188051 A1**(43) **Pub. Date: Jun. 24, 2021**(54) **IDENTIFYING AND MITIGATING VEHICLE  
ODORS****Publication Classification**(71) Applicant: **Ford Global Technologies, LLC,**  
Dearborn, MI (US)(72) Inventors: **Perry Robinson MACNEILLE,**  
Dearborn, MI (US); **Victoria Leigh  
SCHEIN,** Dearborn, MI (US); **Jeffrey  
Brian YEUNG,** Dearborn, MI (US);  
**Clay Wesley MARANVILLE,**  
Dearborn, MI (US); **Kerrie Kathleen  
GATH,** Dearborn, MI (US); **Daniel  
BOCCUCCIA,** Dearborn, MI (US)(51) **Int. Cl.****B60H 3/00** (2006.01)**G06F 16/906** (2006.01)**G06F 16/9035** (2006.01)(52) **U.S. Cl.**CPC ..... **B60H 3/0085** (2013.01); **G06F 16/9035**  
(2019.01); **G06F 16/906** (2019.01)

(57)

**ABSTRACT**(21) Appl. No.: **16/754,202**(22) PCT Filed: **Oct. 13, 2017**(86) PCT No.: **PCT/US2017/056660**

§ 371 (c)(1),

(2) Date: **Apr. 7, 2020**

A method for mitigating odor includes detecting a known smell using one or more odor sensors in a vehicle. The method includes determining whether the known smell is agreeable to one or more passengers of the vehicle. The method includes mitigating the known smell using one or more odor control devices if the known smell is not agreeable to the one or more passengers of the vehicle.

